

# APPENDIX C

## 2005 GEOTECHNICAL ENGINEER EXAMINATION REFERENCE LIST

The following is a list of recommended references for the Geotechnical Engineer examination. References included in the list should be considered suggested material only.

1. ***An Engineering Manual for Slope Stability Studies***; J. M. Duncan, A.L. Buchignani and M. DeWet; Virginia Tech Center for Geotechnical Practice and Research, Dept. of Civil Engineering, March 1987. (Available through e-mail [cjs@vt.edu](mailto:cjs@vt.edu)).
2. ***An Introduction to Geotechnical Engineering***; Robert D. Holtz and William D. Kovacs; Prentice Hall, 1981.
3. ***Annual book of ASTM Standards, Section 4 – Construction, Volume 04.08: Soil and Rock (I)***; D 420 – D 4914, 1995 or later.
4. ***Annual Book of ASTM Standards, Section 4 – Construction, Volume 04.09: Soil and Rock (II), Geosynthetics***; D 4943-Latest, 1995 or later.
5. ***California Building Code, Volume 2, Chapters 16A and 18A***; International Conference of Building Officials, 2001.
6. ***Corrosion Guidelines***, Caltrans, January 1996. (Available through website <http://www.caltrans-opac.ca.gov/publicat.htm>).
7. ***Designing with Geosynthetics, 3<sup>rd</sup> Edition(or later)***; Robert M. Koerner; Prentice Hall, 1994.
8. ***Drilled Shafts: Construction Procedures and Design Methods***; L. C. Reese and M. W. O'Neill; Federal Highway Administration, 1988. (Available through website <http://www.ntis.gov> or (703) 605-6000).
9. ***Evaluation of Settlements in Sands Due to Earthquake Shaking***; K. Tokimatsu and H. B. Seed; ASCE Journal of Geotechnical Engineering, Vol. 113, No. 8, August 1987.
10. ***Foundation Analysis and Design, 5<sup>th</sup> Edition***; Joseph E. Bowles; McGraw-Hill, 1996.
11. ***Foundation Design Principles and Practices, 2<sup>nd</sup> Edition***; Donald P. Coduto; Prentice Hall, 2001.
12. ***Foundation Engineering, 2<sup>nd</sup> Edition***; Ralph B. Peck, Walter E. Hansen and Thomas H. Thornburn; Wiley & Sons, 1974.
13. ***Foundation Engineering Handbook, 2<sup>nd</sup> Edition***; Hsai-Yang Fang (Editor); Van Nostrand Reinhold, 1991.
14. ***Geotechnical Earthquake Engineering***; Steven L. Kramer; Prentice Hall, 1996.
15. ***Geotechnical Engineering Principles and Practices***; Donald P. Coduto; Prentice Hall, 1998.

## 2005 GEOTECHNICAL ENGINEER EXAMINATION REFERENCE LIST (cont.)

16. ***Guidelines for Evaluating and Mitigating Seismic Hazards in California***; California Division of Mines and Geology, Special Publication 117, 74p, 1997. (Available through website <http://www.consrv.ca.gov/dmg/pubs/sp/117/index.htm>).
17. ***Highway Design Manual, Sections 601-612***, Caltrans. (Available through website <http://www.dot.ca.gov/hq/oppd/hdm/chapters/t601.htm>).
18. ***Liquefaction Resistance of Soils: Summary Report from the 1996 NCEER and 1998 NCEER/NSF Workshops on Evaluation of Liquefaction Resistance of Soils***; T.L. Youd and I.M. Idriss; Journal of Geotechnical and Geoenvironmental Engineering, Vol. 127, No. 4, April 2001 or Vol. 127, No. 10, October 2001.
19. ***Principles of Foundation Engineering, 4<sup>th</sup> Edition***; Braja M. Das, Pws Publishing Co., 1999.
20. ***Proceedings of the National Center for Earthquake Engineering Research (NCEER) Workshop on Evaluation of Liquefaction Resistance of Soils***; Edited by T. L. Youd and I. M. Idriss; Technical Report NCEER-97-0022, 1997. (Available through website <http://mceer.buffalo.edu> or (716) 645-3391).
21. ***Professional Engineers' Act and Board Rules***; Board for Professional Engineers and Land Surveyors; 2001.
22. ***Recommended Procedures for Implementation of DMG Special Publication 117: Guidelines for Analyzing and Mitigating Liquefaction Hazards in California***; Southern California Earthquake Center; USC, March 1999. (Available through website <http://www.scec.org>).
23. ***Seepage, Drainage, and Flow Nets, 3<sup>rd</sup> Edition***; Harry R. Cedergren; John Wiley and Sons, 1997.
24. ***Settlement Analysis, Technical Engineering and Design Guides as Adapted from the U.S. Army Corps of Engineers, No. 9***; American Society of Civil Engineers (ASCE); ASCE Press, 1994.
25. ***Soil Dynamics and Special Design Aspects***, Department of Defense Handbook, MIL-HDBK-1007/3 (Superseding NAVFAC DM 7.3); Department of Defense, 1997. (Available through website <http://www.lantdiv.navy.mil> and call (757) 322-4200 for exact location on website).
26. ***Soil Mechanics***; William T. Lambe and Robert V. Whitman; John Wiley and Sons, 1969.
27. ***Soil Mechanics, Design Manual 7.01 and 7.02***; Department of the Navy, Naval Facilities Engineering Command; U.S. Government Printing Office, 1986. (Available through website <http://www.lantdiv.navy.mil> and call (757) 322-4200 for exact location on website).
28. ***Soil Mechanics in Engineering Practice, 3<sup>rd</sup> Edition***; Karl Terzaghi, Ralph B. Peck and Gholamreza Mesri; John Wiley and Sons, 1996.
29. ***Soils in Construction, 4<sup>th</sup> Edition***; W.L. Schroeder and S.E. Dickenson; Prentice Hall, 1996.
30. ***Stability Analysis of Earth Slopes***; Y. H. Huang; Van Nostrand Reinhold Company, 1983.